

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. – 11. (Cancelled)

12. (Currently Amended) A garment connectable to respiratory information analysis device for measuring biological information formed of a nonconductive material having elasticity so as to fit on the upper body of an examinee,

the garment being characterized in having a plurality of respiratory information measuring sensors, each of said sensors, including a conductive member varying its electric resistance according to variation of constitution of the examinee through breathing thereof under a turning-on-electricity state and capable of delivering electric information based on the variation of electric potential to a respiratory information analysis device,

wherein:

a portion of the plurality of respiratory information measuring sensors are disposed at a perimeter of a chest region and another portion of the plurality of respiratory information measuring sensors are disposed at a perimeter of an abdominal region of the garment.

electric resistance of the plurality of respiratory information measuring sensors varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing.

the conductive member of each of the respective plurality of respiratory information measuring sensors is arranged at either a position winding around a chest region of the examinee and a position winding around an abdominal region of the examinee, and

the respiratory information analysis device selects at least one output of at least one sensor in the chest region and at least one output of at least one sensor in the abdominal region.

13. (Cancelled)

14. (Previously Presented) The biological information measuring garment according to claim 12,

wherein for the respiratory information measuring sensor, electric influence under a turning-on-electricity state to the examinee is decreased by covering a surface of the



conductive member facing the body surface of the examinee and an opposed surface thereof with a nonconductive material.

15. (Canceled)

16. (Previously Presented) A respiratory information analysis system comprising the garment according to claim 12, and a respiratory information analysis device, the respiratory information analysis device comprising;

electric information acquisition means for acquiring information on electricity delivered from the respiratory information measuring sensors;

electric information comparison means for comparing a plurality of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric potential information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information.

17. (Currently Amended) A respiratory information analysis device comprising:

electric information acquisition means for acquiring electrical information delivered from a plurality of respiratory information measuring sensors, said sensor arranged on a garment for measuring biological information;

electric information comparison means for comparing a plurality of amplitudes of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and



respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of abdominal in the garment, and wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors is arranged at a plural positions at least including one of a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee, and

wherein a respiratory information analysis device connectable to the garment selects one of outputs of the sensors of chest and abdominal.

18. (Currently Amended) A computer readable medium recording program for performing a computer as a cardiogram analysis device, the program is operated by the computer as:

electric information acquisition means for acquiring electric information delivered from a plurality of respiratory information measuring sensors arranged on a garment for measuring biological information, the acquisition means including a conductive material varying its electric resistance according to variation of constitution of the examinee through breathing thereof under a turning-on-electricity state and capable of acquiring electric information based on the variation of electric potential and capable of delivering the information to a respiratory information analysis device;

electric information comparison means for comparing a plurality of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,



wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of abdominal in the garment, and wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors is arranged at a plural positions at least including one of a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee, and

wherein a respiratory information analysis device connectable to the garment selects one of outputs of the sensors of chest and abdominal.

19. (Previously Presented) The respiratory information analysis device according to claim 17,

wherein the respiratory information analysis means further acquires information on a variation cycle of the electric information and information on an R-wave height cycle related to a variation cycle of R-wave height information of cardiogram based on electric potentials acquired from a cardiogram electrode and selects cycle information of either one and analyzes respiratory information in accordance with the selected cycle information.

20. (Previously Presented) The respiratory information analysis device according to claim 19,

wherein the respiratory information analysis means further acquires information on amplitude of the electric information and information on R-wave height amplitude related to amplitude of the R-wave height information and selects one of the electric information and the R-wave height information in accordance with comparison of the electric information and the R-wave height information and analyzes respiratory information in accordance with the selected cycle information.

21. (Previously Presented) The respiratory information analysis device according to claim 19,

wherein further the respiratory information analysis means display one of a position of the cardiogram electrode and a position of the respiratory information measuring sensor detecting the selected information correspondingly with one of a diagram of the biological information measuring garment and a diagram of the examinee's body.



22. (Currently Amended) A method of controlling a respiratory information analysis device comprising the steps of:

acquiring electric information delivered from a plurality of respiratory information measuring sensors capable of acquiring electric information based on the variation of electric potential, the sensor including a conductive material varying its electric resistance according to variation of constitution of an examinee through breathing thereof under a turning-on-electricity state;

comparing a plurality of amplitudes of the acquired electric potential information;

selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result; and

outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of abdominal in the garment, and wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors is arranged at a plural positions at least including one of a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee,  
and

wherein a respiratory information analysis device connectable to the garment selects one of outputs of the sensors of chest and abdominal.